

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of the substance/mixture**

Manufacturing plastic articles via industrial processing methods, including compounding and conversion.  
For professional users only.

**1.3. Details of the supplier of the safety data sheet**

**Malaysia**

Company name: KRAIBURG TPE TECHNOLOGY (M) SDN.BHD.  
Street: Lot 1839 Jalan KPB 6, Kawasan Perindustrian Balakong  
Place: 43300 Seri Kembangan, Selangor, Malaysia  
Telephone: +60 3 9545 6393

**Germany**

Company name: KRAIBURG TPE GmbH & Co. KG  
Street: Friedrich-Schmidt-Str. 2  
Place: 84478 Waldkraiburg, Germany  
Telephone: +49 (8638) 9810 0

**USA**

Company name: KRAIBURG TPE CORPORATION  
Street: 4365 Hamilton Mill Road  
Place: Buford, Georgia 30518, USA  
Telephone: +1 (678) 584 5020  
+1 (800) 255 3924 (ChemTel, 24/7)  
+1 (813) 248 0573 (ChemTel International, 24/7)

E-Mail:

regulatory@kraiburg-tpe.com

**1.4. Emergency telephone number**

Telephone: +60 3 9545 6393 (only available at office times)  
+60 1 2682 1393 (24/7)

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Regulation (EC) No 1272/2008 (CLP)**

As the potential hazardous ingredients, if any, are bound in the polymer matrix, it's unlikely that the product poses a risk to health and environment.

**2.2. Label elements**

**Regulation (EC) No 1272/2008 (CLP)**

**Additional advice on labelling**

According to EC directives or the corresponding national regulations, there is no labelling obligation for this product.

**2.3. Other hazards**

May cause sensitization to susceptible people.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### **Chemical characterization**

Preparation/mixture without hazards for human health or environment.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### **General information**

Move victim out of danger zone.

##### **After inhalation**

Provide fresh air. In case of irritation of the respiratory tract, seek medical advice.

##### **After contact with skin**

Wash with generous amount of water. Change contaminated clothing.

Following contact with the melted product, quickly cool affected skin area with plenty of cold water.

##### **After contact with eyes**

Rinse eyes immediately with water or in the eye-bath carefully and thoroughly. In case of troubles or persistent symptoms, consult an ophthalmologist.

##### **After ingestion**

Rinse mouth thoroughly with water.

#### 4.2. Most important symptoms and effects, both acute and delayed

In case of skin irritation, seek medical treatment.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No special measures are necessary.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

Extinguishing materials should be selected according to the surrounding area; alcohol resistant foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>) or water spray.

##### **Unsuitable extinguishing media**

High power water jet.

#### 5.2. Special hazards arising from the substance or mixture

Toxic fumes may occur in case of fire.

Pyrolysis products, toxic.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear respiratory protection in the presence of vapour, dust, and aerosols.

#### 6.2. Environmental precautions

No special environmental protection measures are necessary.

#### 6.3. Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

#### 6.4. Reference to other sections

See protective measures under point 7 and 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

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No special handling instructions are necessary.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

**Requirements for storage rooms and vessels**

Store in a cool and dry place.

**Advice on storage compatibility**

Keep away from food, drink and animal feedingstuffs.

**SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

**Additional advice on limit values**

not applicable

8.2. Exposure controls

**Protective and hygiene measures**

Take off contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work.  
When using do not eat or drink.

**Eye/face protection**

Wear eye/face protection.

Suitable eye protection: Framed glasses.

**Hand protection**

Wear suitable gloves.

Required properties: heat-resistant.

**Respiratory protection**

Provide sufficient ventilation and punctiform suction at critical points.

**SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Physical state:	solid	<b>Test method</b>
Odour:	characteristic	
pH-Value:		not determined
<b>Changes in the physical state</b>		
Melting point:	> 120 °C	
Initial boiling point and boiling range:	not determined	
Flash point:	> 250 °C	
<b>Flammability</b>		
Solid:	not determined	
Gas:	not applicable	
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Ignition temperature:	not determined	
<b>Auto-ignition temperature</b>		
Solid:	not determined	
Gas:	not applicable	
Decomposition temperature:	not determined	
<b>Oxidizing properties</b>	<b>not oxidizing</b>	
Vapour pressure:	not applicable	
Density (at 20 °C):	0,9 – 1,5 g/cm³	
Water solubility:	practically insoluble	
<b>Solubility in other solvents</b>	<b>not determined</b>	
Partition coefficient:	not determined	

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Vapour density:	not determined
Evaporation rate:	not determined
<b>9.2. Other information</b>	
Solid content:	not determined
Bulk density:	0,45 – 0,8 kg/dm <sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

There are no data available on the preparation/mixture itself.

### 10.2. Chemical stability

There are no data available on the preparation/mixture itself.

### 10.3. Possibility of hazardous reactions

There are no data available on the preparation/mixture itself.

### 10.4. Conditions to avoid

Oxidizing agents. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

### 10.5. Incompatible materials

There are no data available on the preparation/mixture itself.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Pyrolysis products, toxic.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

#### Practical experience

#### Other observations

Frequently or prolonged contact with skin may cause dermal irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

There are no data available on the preparation/mixture itself.

### 12.2. Persistence and degradability

There are no data available on the preparation/mixture itself.

### 12.3. Bioaccumulative potential

There are no data available on the preparation/mixture itself.

### 12.4. Mobility in soil

There are no data available on the preparation/mixture itself.

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.6. Other adverse effects

No symptoms known up to now.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Waste disposal according to official state regulations.

#### Waste disposal number of waste from residues/unused products

070299 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; wastes not otherwise specified

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**Waste disposal number of used product**

070299 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; wastes not otherwise specified

**Waste disposal number of contaminated packaging**

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

**Contaminated packaging**

Completely emptied packings can be re-cycled.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO)**

**Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No special measures are necessary.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not a hazardous material with respect to these transportation regulations.

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU regulatory information**

**Additional information**

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

**National regulatory information**

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

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LD50: Lethal dose, 50%

Data compared to the previous version altered.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)